

1) $\int x^5 \, dx =$

2) $\int 5x^3 \, dx =$

3) $\int \frac{1}{2}x^4 \, dx$

4) $\int 3 \, du =$

5) $\int (3t^2 + 5t - 1) \, dt =$

6) $\int \frac{1}{t^2} \, dt =$

7) $\int \sqrt{v} \, dv =$

8) $\int \sqrt[3]{x} \, dx =$

9) $\int \frac{5}{\sqrt[4]{x^3}} \, dx =$

10) $\int (3x^2 + 5x - 1)^3(6x + 5) \, dx =$

11) $\int (x^3 + 3x^2 + 2x + 1)(3x^2 + 6x + 2) \, dx =$

$$12) \int \frac{2x}{(1+x^2)^3} dx =$$

$$13) \int \frac{3}{\sqrt{4x+1}} dx =$$

$$14) \int \frac{\ln^2(x)}{x} dx =$$

$$15) \int e^x dx =$$

$$16) \int 2e^{3t} dt =$$

$$17) \int 2xe^{-x^2} dx =$$

$$18) \int \frac{1}{x} dx =$$

$$19) \int \frac{2}{4x-3} dx =$$

$$20) \int \frac{2x+3}{x^2+3x+3} dx =$$